

Fairfax *CUE* Transit Development Plan

Presentation
to City of Fairfax
City Council

January 26, 2010

Agenda

- TDP Purpose
- TDP Requirements and Content
- TDP Tasks Underway
- Existing *CUE* Service Characteristics
- Historical Performance Characteristics
- *CUE* Rider Characteristics
- Peer Agency Review Findings
- Next Steps

TDP Purpose

- A Transit Development Plan is a Short-Range Plan that:
 - Presents agency goals and objectives
 - Provides an assessment of existing service characteristics
 - Identifies near-term service and facility needs
 - Presents a schedule for funding and implementing new services and facilities

TDP Purpose

- Commonwealth (DRPT) requires TDPs as a condition for state funding
- TDPs to be used by DRPT for state-level programming and planning
- Provides Commonwealth with a basis to include agency programs in Statewide Transportation Improvement Program
- Commonwealth providing technical assistance to smaller agencies

TDP Requirements

- TDPs are to have a minimum 6-year timeframe and be updated every 6 years
- DRPT has identified specific TDP content requirements
- Annual “status” letter will be required in subsequent years

TDP Content

- Transit System Overview
- Goals, Objectives and Standards
- Service and System Evaluation
 - Five-Year Historical Trends Analysis
 - Peer Agency Review
 - Transit Rider Survey
 - Public Outreach Input
 - Existing Service Characteristics
 - Land Use Summary
 - ITS Summary
 - Demographic Analysis/Title VI

TDP Content

- Needs Determination
- Determine Future Year Service Plans and Projects
 - Operations Plan, Capital and O&M Costs
- Develop Six Year Capital Improvement Program
 - Additional Vehicle Needs and Replacements
 - Facility Replacement and Expansion
- Develop Financial Plan
 - Identify revenue sources (federal, state, local, farebox)
 - Match funding to costs
- Establish Monitoring Program

TDP Tasks Underway

- Initial Site Visit
 - Staff Meeting
 - Field Observations
- Agency Data Collection
- Existing Service Evaluation
- Prior Survey Findings
- Peer System Review Analysis
- Stakeholder Input

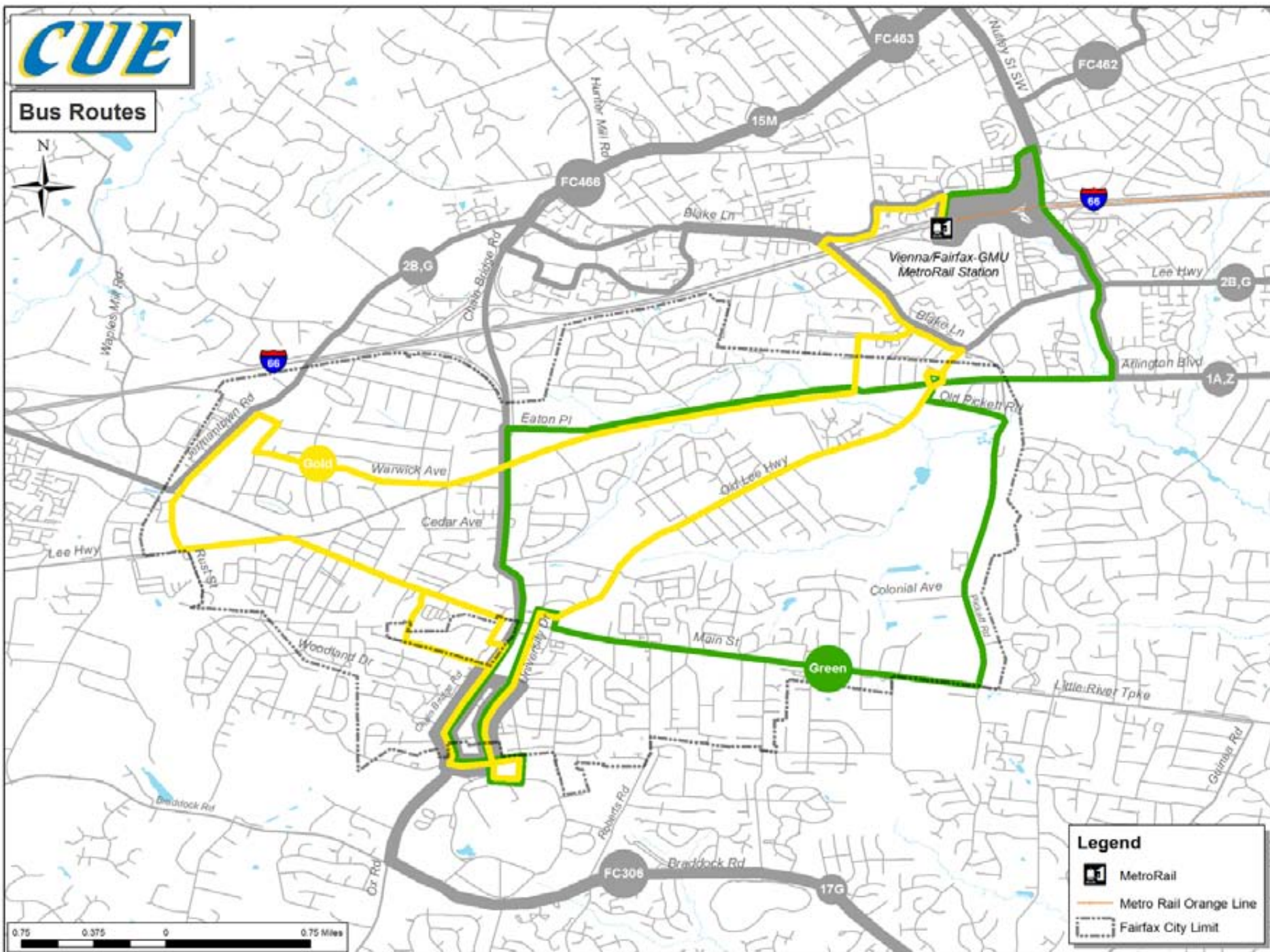
Existing *CUE* Service Characteristics

- 7 Day a Week Service with four routes
 - Green Route 1 & 2
 - Gold Route 1 & 2
- Both routes anchored at Vienna/Fairfax-GMU Metrorail Station and George Mason University
- Weekday Service Frequencies – 30-35 minutes
- Evening and Weekend Frequencies – 60-65-min.
- General Span of Service:
 - Weekdays: 5 a.m. to midnight
 - Saturdays: 8 a.m. to 8 p.m.
 - Sundays: 9:30 a.m. to 6 p.m.

CUE

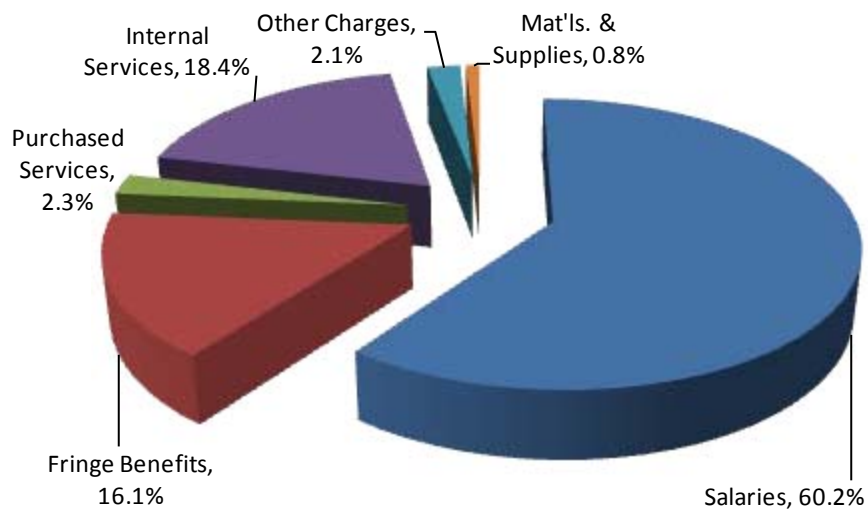
Bus Routes

N

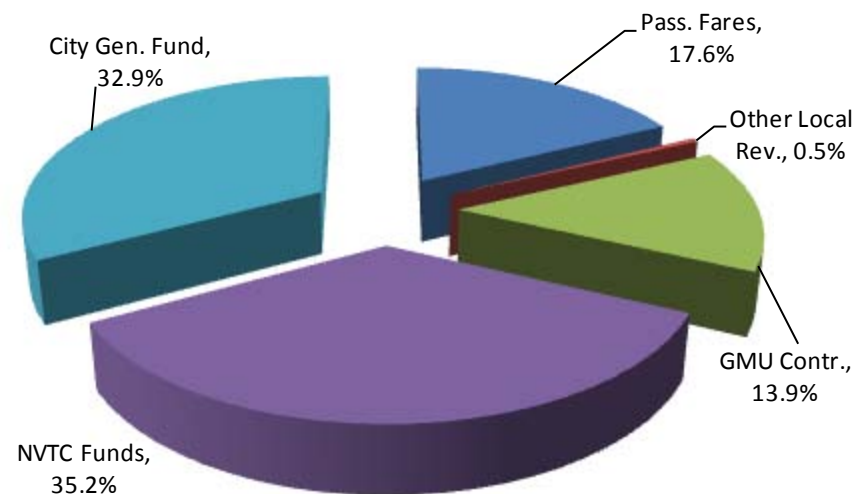


CUE O&M Costs and Funding (FY 2010 - \$2.84 million)

O&M Expenditures By Cost Category



O&M Funding Sources By Category



Percentages reflect current funding source estimates

Other Transit Service Providers

➤ WMATA MetroBus

- Routes 1C, 15M and 29K/N are the major MetroBus lines that run through Fairfax
- Other MetroBus line serve small areas of the City
- Connections to Fair Oaks Mall, Vienna/Fairfax-GMU Metrorail, Dunn Loring-Merrifield Metrorail, Pentagon, City of Alexandria

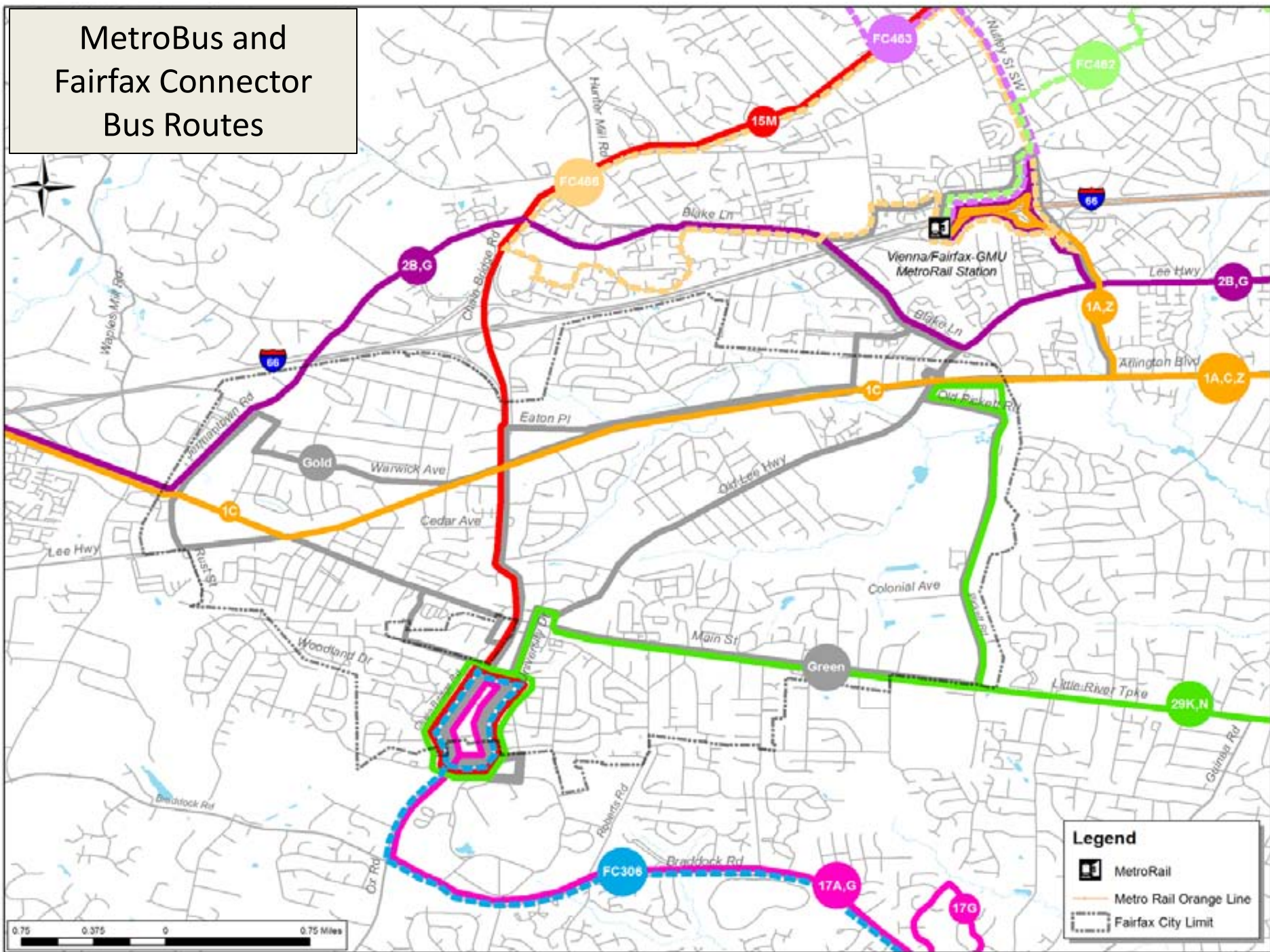
➤ Fairfax Connector

- One route that serves GMU (from the South)

➤ GMU Shuttle Services

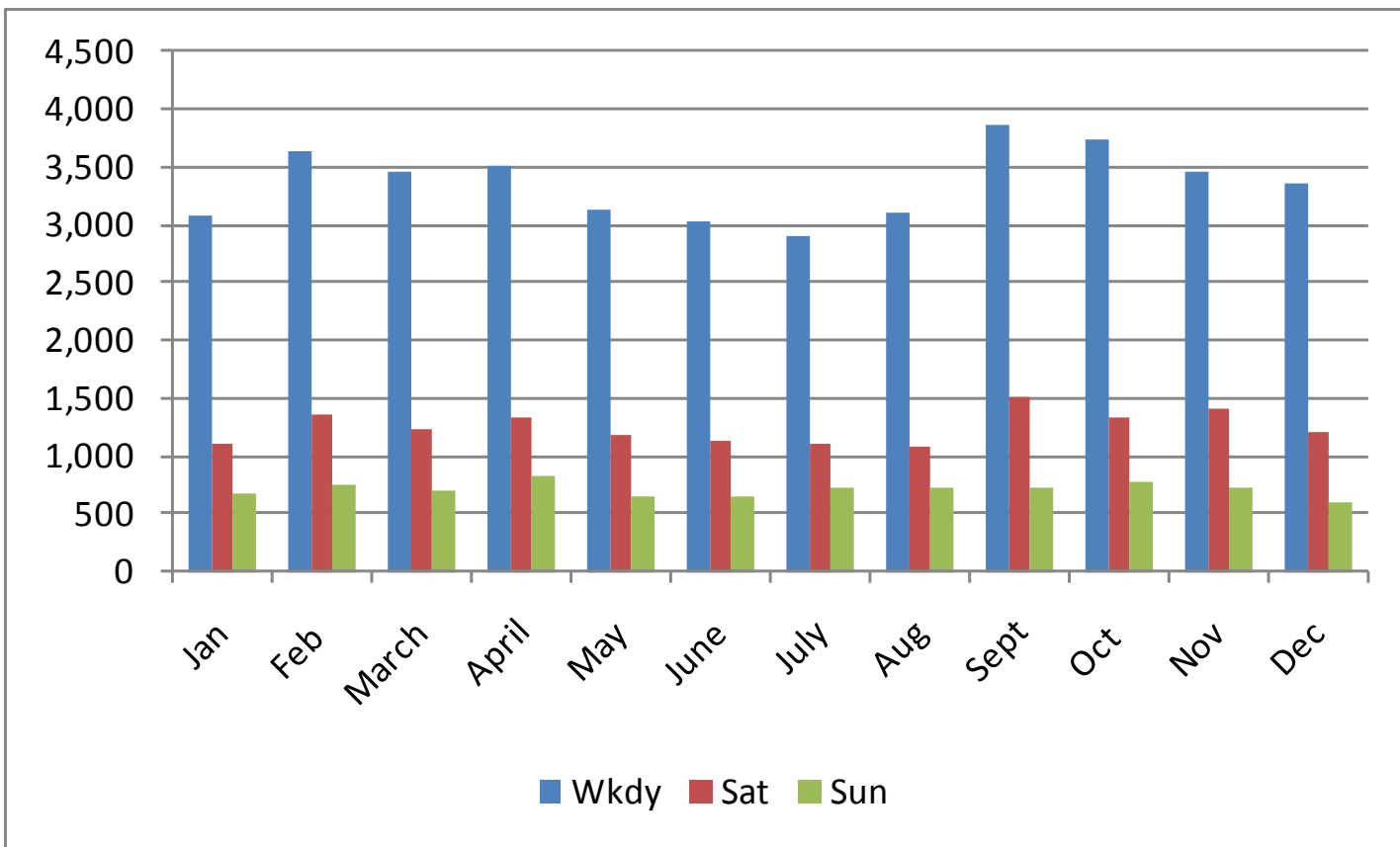
- GMU to Metro Station Shuttle
- Green & Gold Campus Circulators & Field House Shuttle
- Gunston's Go Bus (Campus to Shopping)
- Prince William Campus Shuttle

MetroBus and Fairfax Connector Bus Routes



Monthly *CUE* Ridership Characteristics

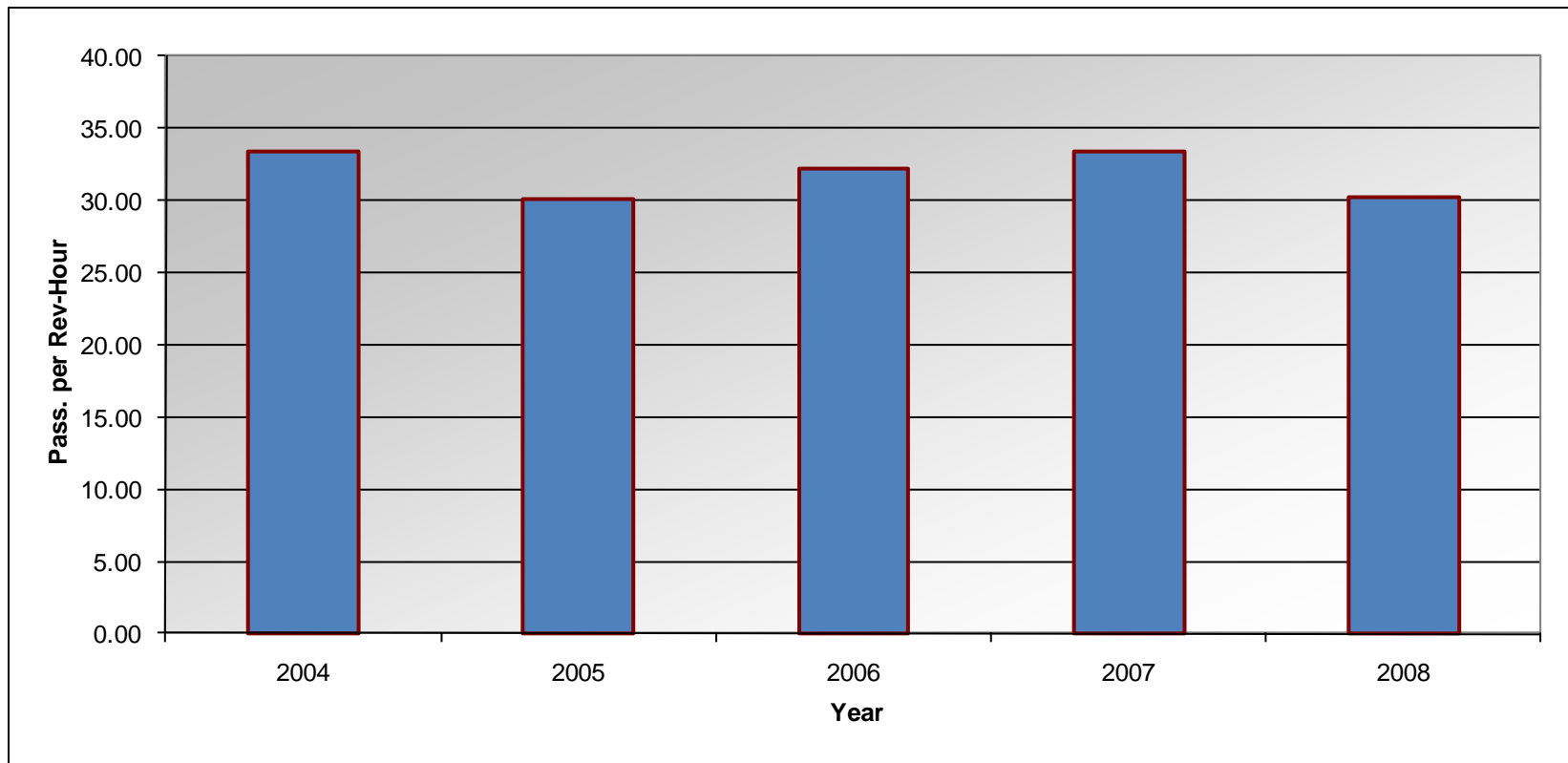
Average Daily Ridership by Month



Average Daily Ridership Calculated from Daily Ridership Reports from Nov. 2008 to Nov. 2009

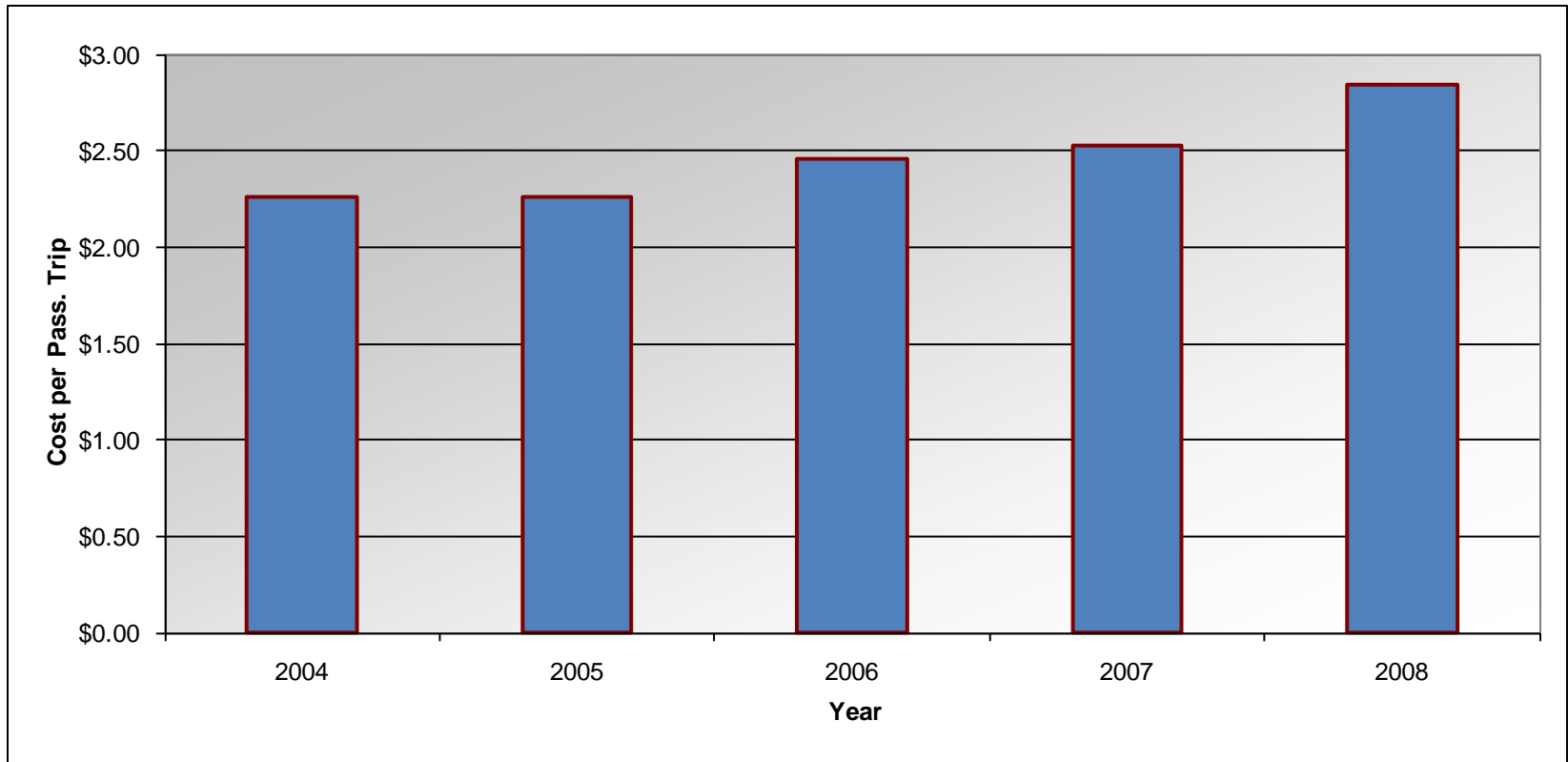
CUE Historical Service Effectiveness Trends

Passengers per Revenue Bus-Hour



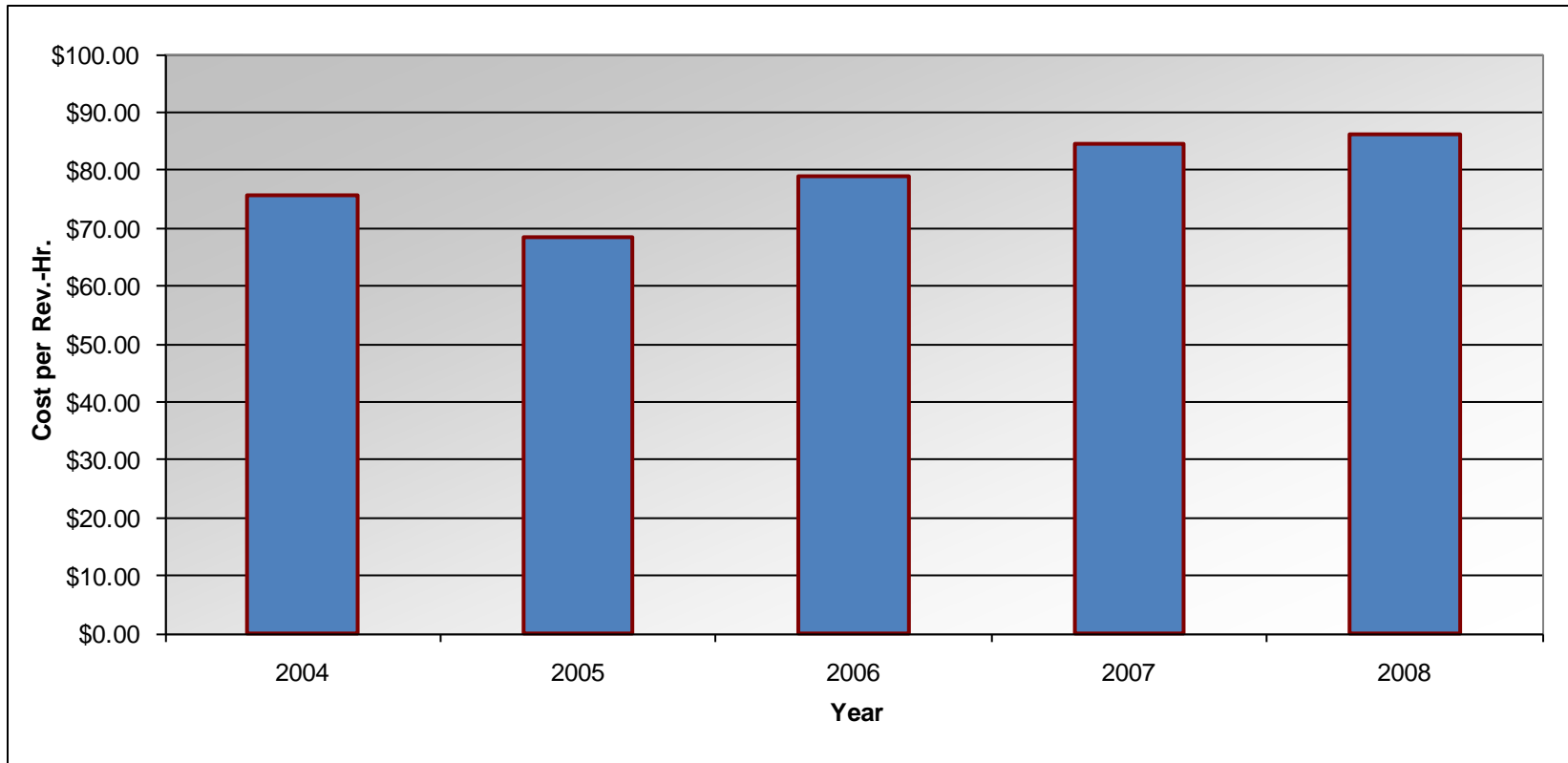
CUE Historical Cost Effectiveness Trends

Cost per Passenger Trip



CUE Historical Cost Efficiency Trends

Cost per Revenue Bus-Hour



CUE Rider Characteristics

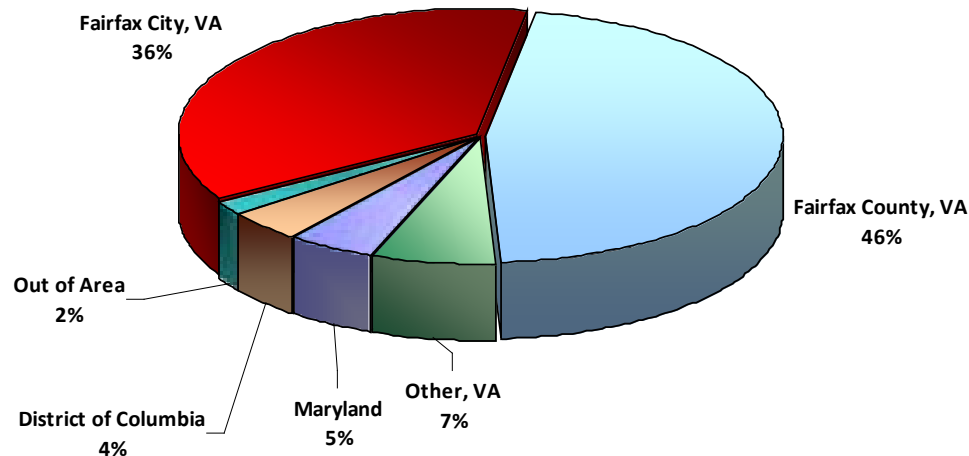
2008 CUE Rider Surveys

- MWCOG surveyed regional bus riders in Spring 2008
- 376 responses from *CUE* riders in MWCOG Survey (about 11% of daily riders)
- VA Tech Grad Student also surveyed *CUE* in Nov. 2008
- 927 responses from *CUE* riders in VA Tech Student Survey (about 27% of daily riders)

CUE Rider Characteristics

MWCOG Survey Responses for CUE

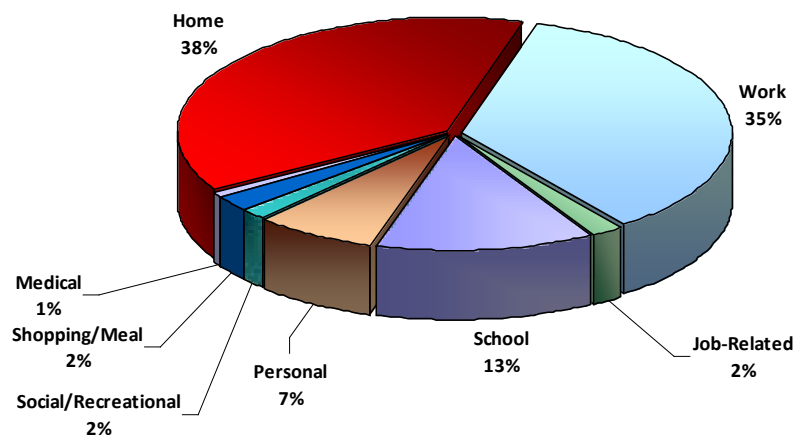
My home address is in:



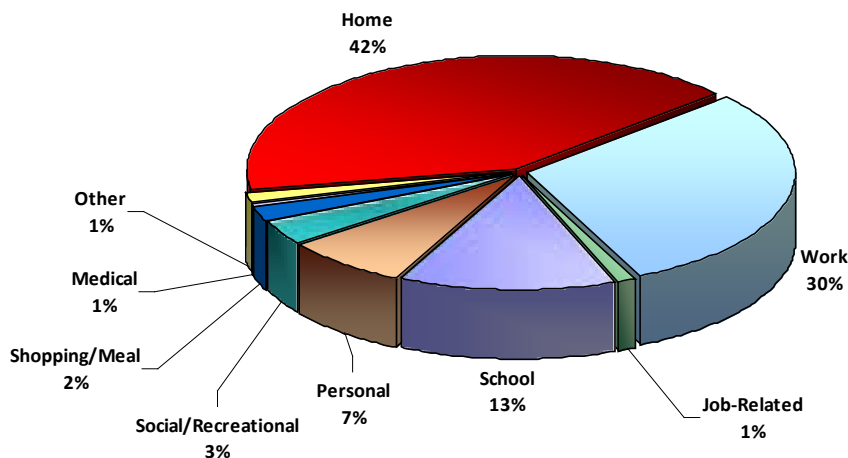
CUE Rider Characteristics

MWCOG Survey Responses for CUE

I am coming from:



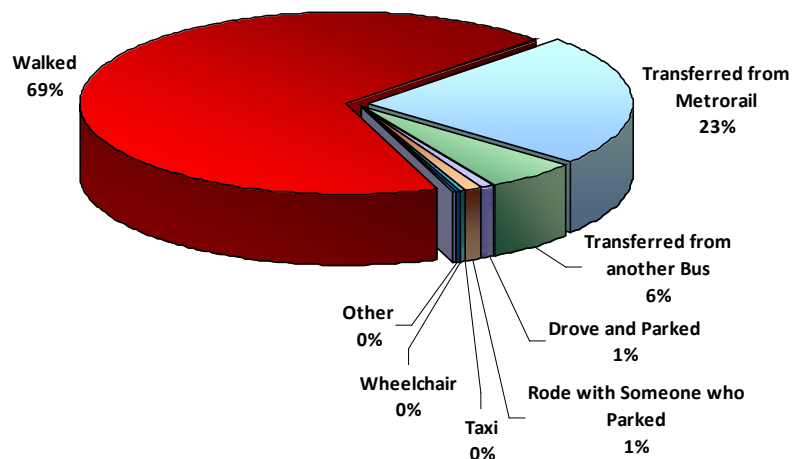
I am going to:



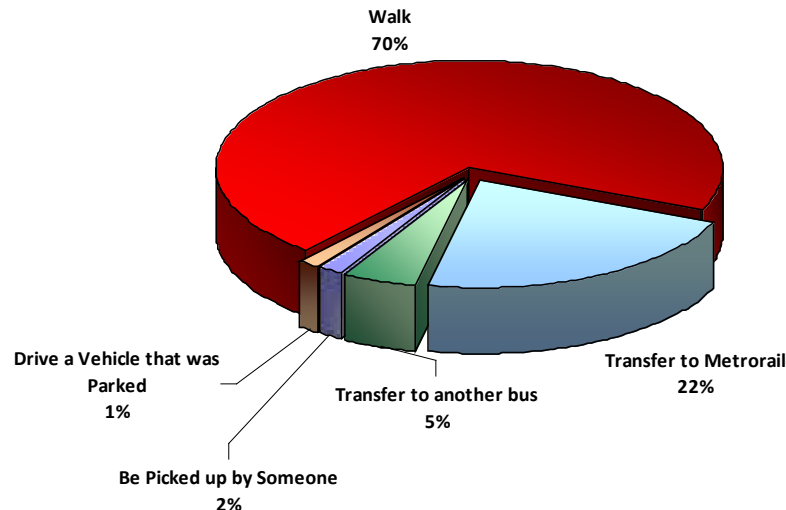
CUE Rider Characteristics

MWCOG Survey Responses for CUE

I got to this bus by:



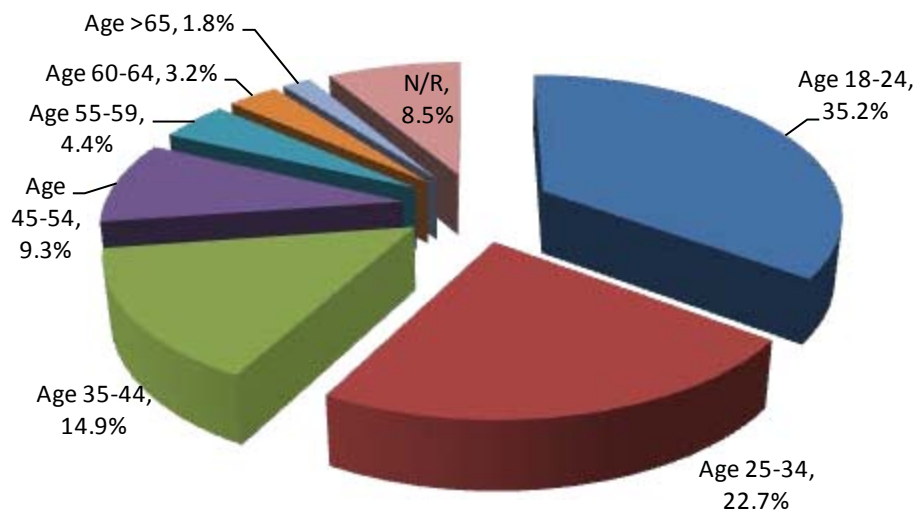
I will get from this bus to my destination by:



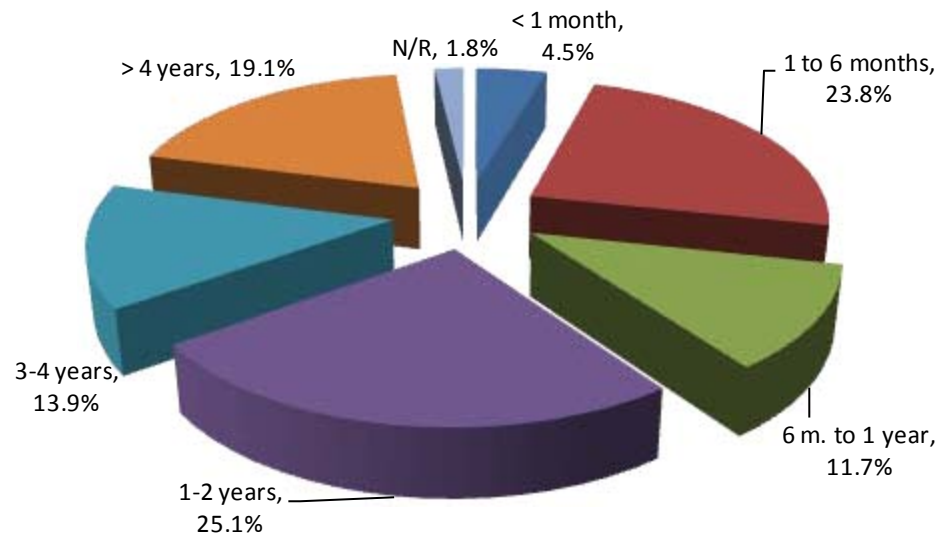
CUE Rider Characteristics

VA Tech Grad Student Report Survey Responses for *CUE*

My age is:



I've been riding CUE for:



CUE Rider Characteristics

VA Tech Grad Student Report Survey Responses for *CUE*

Service Characteristic Rankings
(1 = Most Important to 5 = Least Important)

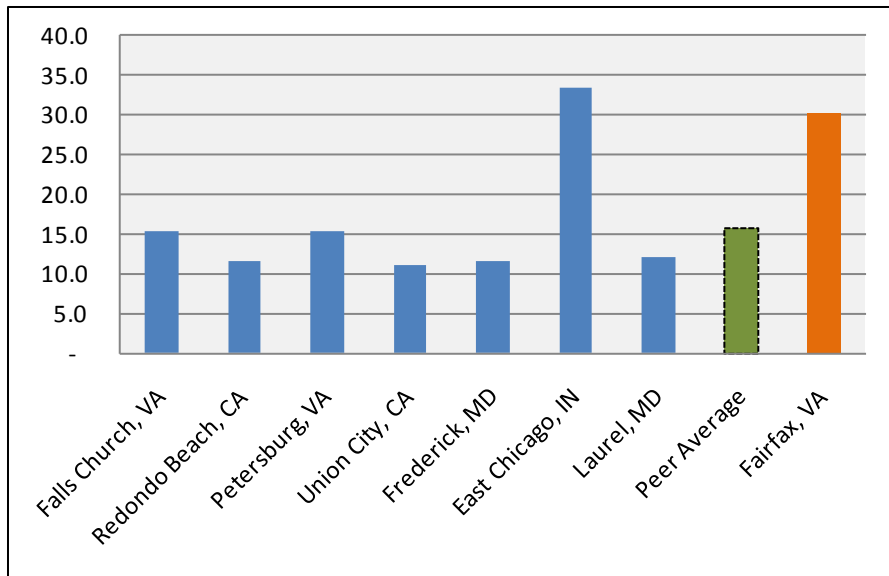
Characteristic	Ranking of Importance
Wait Time for Bus	1.9
Safety	2.0
Cost of Trip	2.3
Bus Cleanliness	2.4
Bus Stop Conditions	2.6
Driver Assistance	2.6
Phone/On-Line Assistance	3.0

Peer Agency Review Analysis

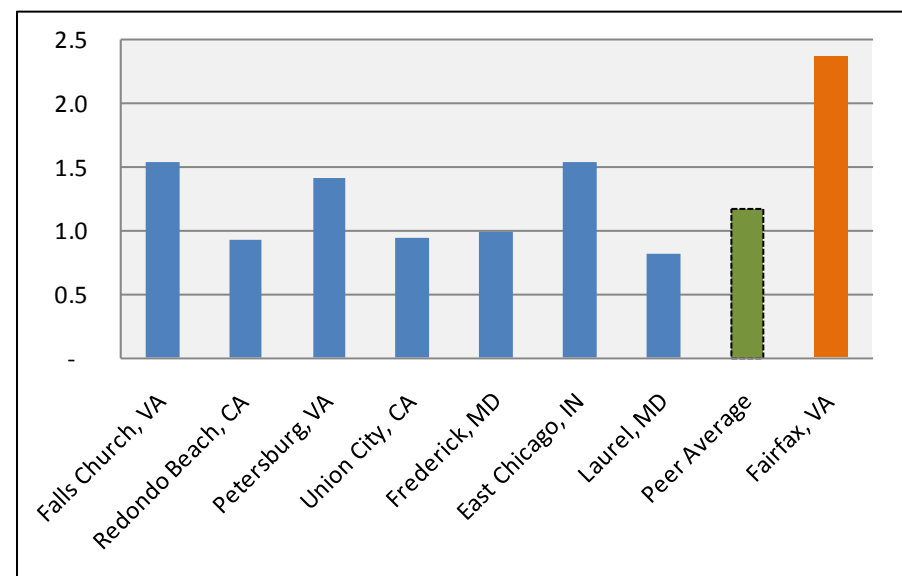
- Purpose: To Compare System Performance to Other Similar Transit Systems
- Peer Systems Used
 - Falls Church, VA
 - Petersburg, VA
 - Frederick, MD
 - Laurel, MD
 - East Chicago, IN
 - Redondo Beach, CA
 - Union City, CA
- Source of Data: 2008 National Transit Database

Peer Agency Review Analysis

Passenger Trips
Per Revenue Bus-Hour

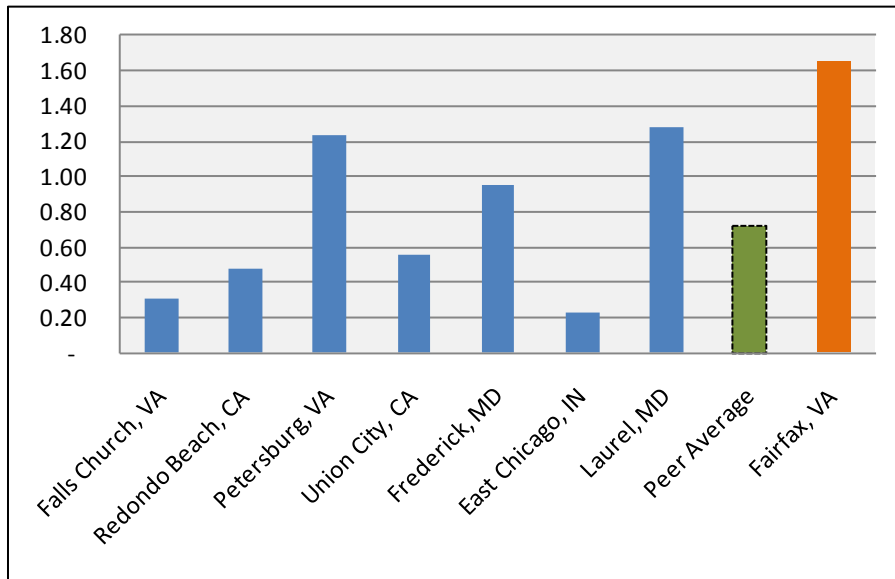


Passenger Trips
Per Revenue Bus-Mile

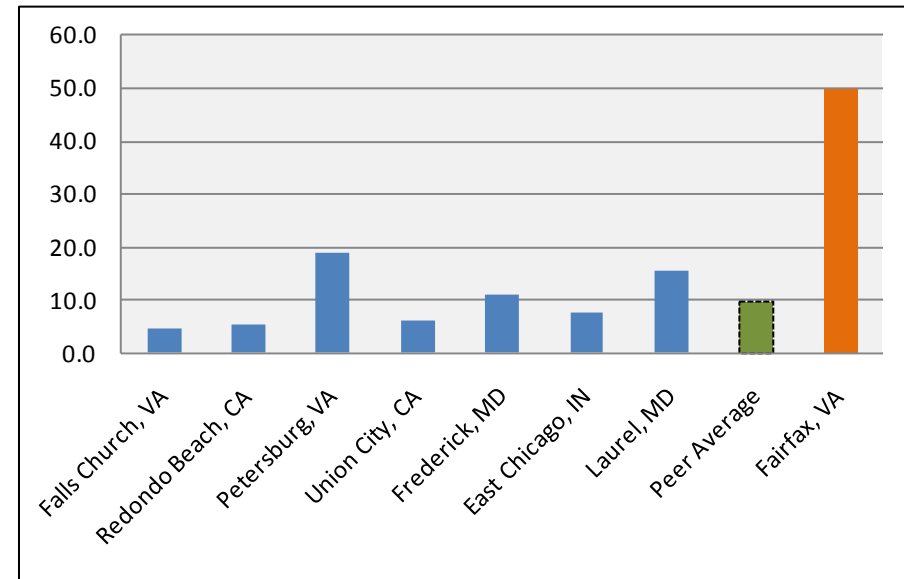


Peer Agency Review Analysis

Revenue-Hours Per Capita

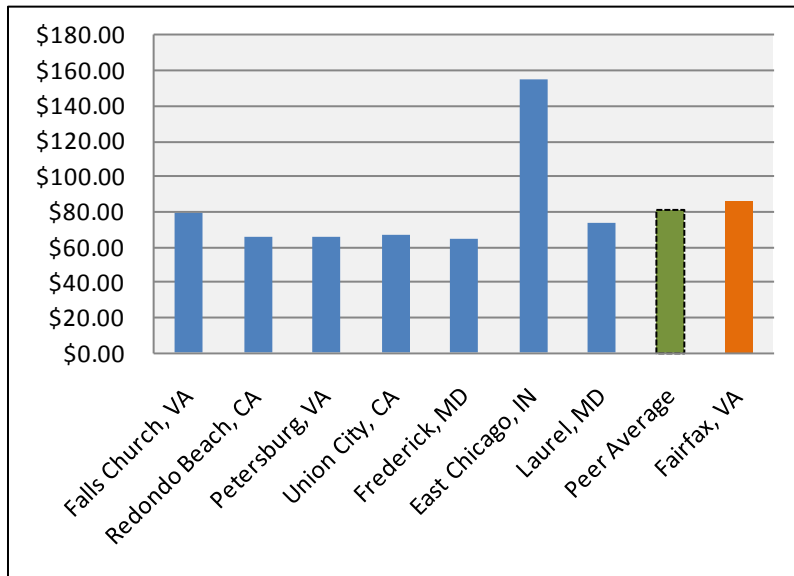


Passenger Trips Per Capita

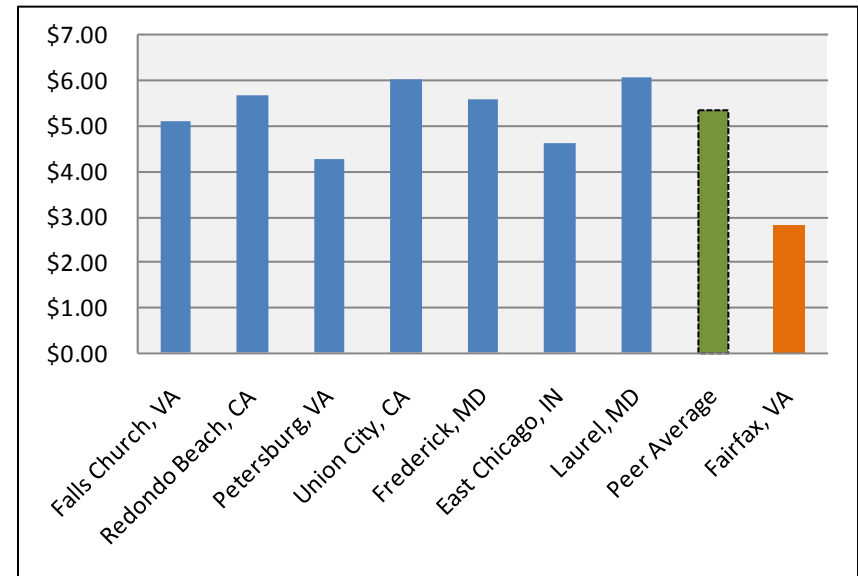


Peer Agency Review Analysis

Cost per
Revenue Bus-Hour



Cost per
Passenger Trip



TDP Discussion Topics

- Perspective on Existing Service (Adequate, Inadequate, Excessive)?
 - Service Coverage
 - Service Frequencies
 - Service Hours
 - Fares
 - Other
- Any Real or Perceived Shortcomings that Detracts Potential Riders?
- Anticipated New Service Needs?
- New Funding Opportunities?
- Overall Level of Support in Community for Transit?